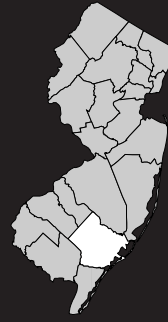


Atlantic County



ATLANTIC

Atlantic County Index of Sites

Site Name	Page #
2043 Ocean Heights Avenue	2
243 North Texas Avenue	3
Babcock & Forest Walk Ground Water Contamination	4
Basin Road Ground Water Contamination	5
Delancy Avenue Ground Water Contamination	6
Duerer Street Ground Water Contamination	7
Emmell's Septic Landfill	8
Garden State Cleaners	9
Genoa Avenue Ground Water Contamination	10
Germania Gardens Ground Water Contamination	11
Greenbriar Avenue Ground Water Contamination	12
Pleasant Woods Ground Water Contamination	13
Prices Landfill 1	14
Somers Point Ground Water Contamination	16
South Jersey Clothing Company	17
Wheat Road & Route 40 Ground Water Contamination	18
White Horse Pike Ground Water Contamination	19
Zion Road Ground Water Contamination	20

2043 Ocean Heights Avenue

2043 Ocean Heights Avenue

Egg Harbor Township

Atlantic County

BLOCK: 5210 **LOT:** 13

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Gasoline Service Station
OPERATION STATUS: Inactive

PROPERTY SIZE: 0.75 Acre

SURROUNDING LAND USE: Commercial/Residential

MEDIA AFFECTED

CONTAMINANTS

STATUS

Ground Water

Volatile Organic Compounds

Confirmed

Potable Water

Volatile Organic Compounds

Treating

Soil

Volatile Organic Compounds

Removed

FUNDING SOURCES

AMOUNT AUTHORIZED

Spill Fund

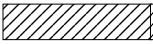
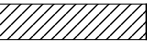










\$5,000

Corporate Business Tax

\$198,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

This site was a service station for approximately 18 years, until 1983. It is currently inactive. In 2000 the Atlantic County Health Department determined the private potable well at a residence adjacent to the site was contaminated with benzene and dichloroethane (DCA) at levels exceeding the New Jersey Drinking Water Standards for these volatile organic compounds. NJDEP's Environmental Claims Administration installed a Point-of-Entry Treatment (POET) system on the well to supply potable water for the resident. Sampling of wells at ten nearby residences did not identify any others that were contaminated above Drinking Water Standards. NJDEP's Responsible Party Remediation Element directed the owner of the site to address the underground gasoline storage tanks and subsurface contaminated soils, but the owner did not comply. NJDEP's Remedial Response Element removed the four tanks and 740 tons of contaminated soil from the site in 2001 and is periodically sampling private potable wells in the area to monitor ground water quality.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Receptor Control (POET)					 Planned
Soil & UST Removal					 Underway
					 Completed
					 Not Required

243 North Texas Avenue

243 North Texas Avenue

Atlantic City

Atlantic County

BLOCK: 68A **LOT:** 58

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Private Residence
OPERATION STATUS: Not Applicable

PROPERTY SIZE: 0.5 Acre

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Petroleum Hydrocarbons

STATUS

Removing/Monitoring

FUNDING SOURCES






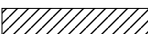
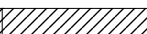



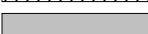
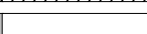

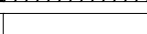


Spill Fund
1981 Bond Fund
1986 Bond Fund
Corporate Business Tax

AMOUNT AUTHORIZED

\$482,000
\$2,000
\$75,000
\$280,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Leaking underground fuel oil tanks contaminated the tidal saline aquifer beneath this residential property. In 1990 NJDEP's Remedial Response Element installed a free-product recovery system to capture a layer of fuel oil that was floating on the water table. The system successfully collected approximately one gallon of fuel oil per week for several years and was decommissioned in 1994 after recovery fell off to a minimal amount. However, significant quantities of fuel oil product were again observed in recovery wells at the site in 1997 and NJDEP reinstalled the free-product recovery system and resumed collection of fuel oil from the aquifer. In 1999 NJDEP closed 15 residential underground heating oil tanks in the area that were either abandoned or potential sources of contamination to the ground water. NJDEP has installed additional ground water monitor wells near the site and is sampling the wells to evaluate the effectiveness of the remedial actions. Operation and maintenance (O&M) of the free-product recovery system are ongoing.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Free-Product Recovery					 Planned
Source Removal (UST Closures)					 Underway
Sitewide					 Completed
					 Not Required

Babcock & Forest Walk Ground Water Contamination

Babcock & Mays Landing-Somers Point Roads

Hamilton Township

Atlantic County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Not Applicable
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds
Mercury

STATUS

Confirmed

Potable Water

Volatile Organic Compounds
Mercury

Treating/Alternate Water Supply
Provided

FUNDING SOURCES

Spill Fund


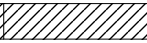










AMOUNT AUTHORIZED

\$323,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by the Atlantic County Health Department in 1991 identified six private potable wells in this area that were contaminated with volatile organic compounds and mercury at levels exceeding New Jersey Drinking Water Standards. The primary volatile organic contaminants were benzene, dichloroethylene (DCE), trichloroethylene (TCE), tetrachloroethylene (also known as perchloroethylene, or PCE) and vinyl chloride. NJDEP's Environmental Claims Administration installed Point-of-Entry Treatment (POET) systems on the contaminated wells to provide potable water for the residents while additional evaluation of the site was underway. NJDEP's Remedial Response Element subsequently completed a water supply alternatives analysis that concluded the most cost-effective method to supply potable water to the residents at the site was to continue to use POET systems at five of the six homes. The Township used funds provided by NJDEP to extend a water line to the sixth residence in 1993. Potable well sampling conducted in 1995 indicated decreasing levels of volatile organic compounds.

NJDEP completed a source investigation for the Babcock and Forest Walk Ground Water Contamination site in 2001. Based on the investigation, NJDEP identified the Hamilton Township Landfill on Mays Landing-Somers Point Road as a possible source of the volatile organic contamination. However, NJDEP does not believe the mercury contamination that affects some of the wells in the Babcock and Forest Walk area is due to the landfill. The mercury contamination is likely attributable to one or more non-point sources.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Receptor Control (POETS)					 Planned
Receptor Control (Water Line)					 Underway
					 Completed
					 Not Required

Basin Road Ground Water Contamination

Basin Road & Pine Road Hammonton Township

Atlantic County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Not Applicable
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential/Recreational

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Dibromochloropropane
Ethylene Dibromide
Dichloropropane
Mercury

STATUS

Confirmed

Potable Water

Dibromochloropropane
Ethylene Dibromide
Dichloropropane
Mercury

Treating

FUNDING SOURCES









Spill Fund
Corporate Business Tax

AMOUNT AUTHORIZED

\$3,000
\$25,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by the Atlantic County Health Department in 2003 identified five private potable wells in this area that were contaminated with dibromochloropropane, ethylene dibromide, dichloropropane and mercury at levels exceeding New Jersey Drinking Water Standards. The source of the contamination is unknown. NJDEP's Environmental Claims Administration installed Point-of-Entry Treatment (POET) systems on the contaminated wells to provide potable water for the residents while additional evaluation of the site is underway. NJDEP's Remedial Response Element will sample nearby private wells in 2004 and use the findings to delineate the Currently Known Extent (CKE) of the potable well contamination to evaluate long-term options to supply potable water to residents at the site.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Receptor Control (POETS)					 Planned
					 Underway
					 Completed
					 Not Required

Delancy Avenue Ground Water Contamination

Delancy Avenue

Egg Harbor Township

Atlantic County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Not Applicable
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential/Recreational

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Confirmed/Monitoring

Potable Water

Volatile Organic Compounds

Alternate Water Supply Provided

FUNDING SOURCES

Spill Fund

AMOUNT AUTHORIZED

\$26,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by the Atlantic County Health Department in 1992 identified seven private potable wells in this area that were contaminated with volatile organic compounds at levels exceeding New Jersey Drinking Water Standards. The primary contaminants were methyl tertiary-butyl ether (MTBE) and benzene, which are found in gasoline. Egg Harbor Township extended public water lines to the affected homes in 1993. NJDEP's Remedial Response Element is implementing a monitoring program to evaluate ground water quality downgradient from the area of contamination. Additional investigative work is planned to identify possible sources of the ground water contamination at this site.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M
Receptor Control (Water Line)				

Planned
 Underway
 Completed
 Not Required

Duerer Street Ground Water Contamination

Duerer Street & Leipzig Avenue

Galloway Township

Atlantic County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Not Applicable
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds
Mercury

STATUS

Confirmed

Potable Water

Volatile Organic Compounds
Mercury

Treating

FUNDING SOURCES









Spill Fund

AMOUNT AUTHORIZED

\$2,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by the Atlantic County Health Department in late 2003 identified five private potable wells in this area that were contaminated with volatile organic compounds and mercury at levels exceeding New Jersey Drinking Water Standards. The primary volatile organic contaminant was trichloroethylene (TCE). NJDEP's Environmental Claims Administration has installed Point-of-Entry Treatment (POET) systems on the contaminated wells to provide potable water for the residents while additional evaluation of the site is underway. NJDEP's Remedial Response Element will sample other nearby private wells in 2004 and use the findings to delineate the Currently Known Extent (CKE) of the potable well contamination and evaluate long-term options to supply potable water to residents at the site.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Receptor Control (POETS)					 Planned
					 Underway
					 Completed
					 Not Required

Emmell's Septic Landfill

128 Zurich Avenue

Galloway Township

Atlantic County

BLOCK: 650 **LOTS:** 7 & 9

CATEGORY: Superfund
Federal Lead

TYPE OF FACILITY: Sewage Sludge Disposal
OPERATION STATUS: Inactive

PROPERTY SIZE: 38 Acres

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds
Lead

STATUS

Delineating

Potable Water

Volatile Organic Compounds

Alternate Water Supply Provided

Soil

Volatile Organic Compounds
Polychlorinated Biphenyls (PCBs)
Metals

Partially Removed/Delineating

FUNDING SOURCES

Superfund

AMOUNT AUTHORIZED





















\$2,119,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

This site operated as a septic and sewage sludge disposal facility between 1967 to 1979. During this time, waste sludges were deposited in on-site trenches and lagoons. Solid and chemical wastes were also disposed of at the site, including construction debris, gas cylinders, household garbage and drums, some of which contained paint sludges. Sampling conducted between 1984 and 1988 revealed nearby private potable wells were contaminated with various volatile organic compounds above New Jersey Drinking Water Standards. The Atlantic County Health Department later drilled deeper replacement wells at the residences. NJDEP completed a preliminary assessment and site investigation in 1997 that identified Emmell's Septic Landfill as the likely source of the potable well contamination.

In 1998 USEPA determined the soil and ground water at the site were contaminated with volatile organic compounds and confirmed the presence of buried waste materials, including paints, charred materials and sludges. USEPA added Emmell's Septic Landfill to the National Priorities List of Superfund sites (NPL) in 1999. In 2000 USEPA completed a removal action to address materials that may have been a source of ground water contamination. During the removal action, 438 buried drums and over 28,000 cubic yards of contaminated soil were excavated and disposed of at an off-site facility.

USEPA is conducting a Remedial Investigation (RI) to delineate the contamination remaining in the soil and ground water at the site. If the RI reveals contamination at the landfill is a threat to human health or the environment, USEPA will conduct a Feasibility Study (FS) to evaluate cleanup alternatives. In 2003 USEPA completed a Focused Feasibility Study (FFS) and issued a Record of Decision (ROD) that required installation of an interim ground water remediation system to prevent the contaminated ground water from migrating off site while the RI is underway. USEPA is conducting a Remedial Design for the interim ground water treatment system. In 2003 USEPA also connected 36 nearby residences with private potable wells that were at risk of becoming contaminated due to ground water from the site to public water lines.

PROJECT NAME	RI/FS	DESIGN	CONSTR	O&M	
EPA Removal Action					 Planned
Ground Water Focused Feasibility Study					 Underway
Receptor Control (Water Line)					 Completed
Sitewide					 Not Required

Garden State Cleaners

Summer Road

Buena Borough

Atlantic County

BLOCK: 175 **LOT:** 6

CATEGORY: Superfund
Federal Lead

TYPE OF FACILITY: Dry Cleaners
OPERATION STATUS: Active

PROPERTY SIZE: 3000 Sq. Ft.

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Treating

Potable Water

Volatile Organic Compounds

Alternate Water Supply Provided

Soil

Volatile Organic Compounds

Remediated

FUNDING SOURCES

Superfund

1986 Bond Fund

Corporate Business Tax

Spill Fund

AMOUNT AUTHORIZED

\$13,210,000

\$575,000

\$840,000

\$40,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Garden State Cleaners has operated a dry cleaning establishment at this property since 1966. In 1984 NJDEP discovered dry cleaning fluid was being discharged onto the ground via a steam discharge pipe. Sampling revealed soil and ground water at the site were contaminated with the volatile organic compounds tetrachloroethylene (also known as perchloroethylene, or PCE) and trichloroethylene (TCE). Garden State Cleaners is two blocks south of the South Jersey Clothing Company site and plumes of contaminated ground water from both sites intermingle. In 1985 Buena Borough extended public water lines to properties with private wells that had become contaminated as a result of these sites. The Borough expanded the public water line system in 1988 to service additional residences in the immediate area.

In 1989 USEPA added Garden State Cleaners and South Jersey Clothing Company to the National Priorities List of Superfund sites (NPL). USEPA conducted a joint Remedial Investigation and Feasibility Study (RI/FS) for the two sites and signed a Record of Decision (ROD) with NJDEP concurrence in 1991. The ROD required installation of individual soil vapor extraction systems to treat the contaminated soil at each of the sites and installation of a single ground water remediation system to address the entire ground water plume. USEPA installed a soil vapor extraction system at Garden State Cleaners in 1994 and it operated until 1996, when the soil remediation was determined to be complete. USEPA completed construction of the ground water remediation system in 1999 and operation of the system is ongoing.

PROJECT NAME

RI/FS


DESIGN


CONSTR

O&M

Sitewide



 Planned

 Underway

 Completed

 Not Required

Genoa Avenue Ground Water Contamination

Genoa Avenue & Cologne Port Road

Galloway Township & Port Republic City

Atlantic County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Not Applicable
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Confirmed

Potable Water

Volatile Organic Compounds

Treating

FUNDING SOURCES

Spill Fund

1981 Bond Fund

Corporate Business Tax

AMOUNT AUTHORIZED

\$1,037,000

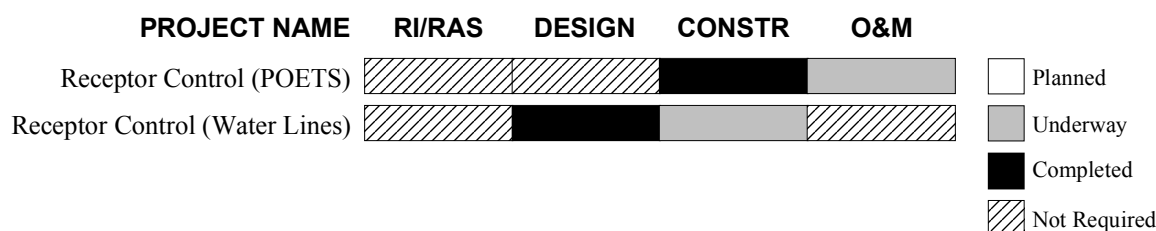
\$149,000

\$1,604,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by the Atlantic County Health Department, Galloway Township and NJDEP's Remedial Response Element between 1991 and 2001 identified 108 private potable wells in Galloway Township and Port Republic City that were contaminated with volatile organic compounds at levels exceeding New Jersey Drinking Water Standards. The primary contaminants are 1,2 dichloropropane, ethylene dibromide, dibromochloropropane and 1,2,3 trichloropropane. These compounds are banned and/or have been removed from the market since the early 1980s. With the exception of 1,2,3 trichloropropane, all were used largely as agricultural fumigants to control nematodes. NJDEP's Environmental Claims Administration installed Point-of-Entry Treatment (POET) systems on the contaminated wells to provide potable water for the residents while additional evaluation of the site was underway.

The Remedial Response Element delineated the Currently Known Extent (CKE) of the potable well contamination and completed a water supply alternatives analysis for the Galloway Township portion of the site in 2001. Based on the findings, NJDEP concluded the most cost-effective method to supply potable water to the residents was to extend public water lines to the properties in the CKE. New Jersey American Water Company is installing the water lines using funds provided by NJDEP and this work is expected to be completed in 2004. The Remedial Response Element is conducting a separate water supply alternatives analysis for the portion of the site in Port Republic City, which is expected to be completed in 2005. Additional investigative work is underway to identify possible sources of the ground water contamination at this site.



Germania Gardens Ground Water Contamination

Cologne Avenue

Galloway Township

Atlantic County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Not Applicable
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds
Mercury

STATUS

Confirmed

Potable Water

Volatile Organic Compounds
Mercury

Alternate Water Supply Provided

FUNDING SOURCES


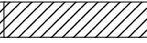









Spill Fund

AMOUNT AUTHORIZED

\$101,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by the Atlantic County Health Department in 1990 identified 24 private potable wells in this area that were contaminated with mercury and volatile organic compounds at levels exceeding New Jersey Drinking Water Standards. The primary volatile organic contaminants are tetrachloroethylene (also known as perchloroethylene, or PCE) and methylene chloride. NJDEP's Environmental Claims Administration installed Point-of-Entry Treatment (POET) systems on the contaminated wells as an interim measure and Galloway Township extended public water lines to affected homes in 1994 as a final remedy. NJDEP subsequently reimbursed the Township for the cost of the water line. Additional investigative work is underway to identify possible sources of the ground water contamination at this site.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Receptor Control (POETS)					 Planned
Receptor Control (Water Line)					 Underway
					 Completed
					 Not Required

Greenbriar Avenue Ground Water Contamination

Greenbriar Avenue

Buena Vista Township

Atlantic County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Not Applicable
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Mercury

STATUS

Confirmed

Potable Water

Mercury

Treating

FUNDING SOURCES

Spill Fund

1981 Bond Fund









AMOUNT AUTHORIZED

\$48,000

\$18,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted between 1992 and 1999 by the Atlantic County Health Department identified nine private potable wells in this area that were contaminated with mercury at levels exceeding the New Jersey Drinking Water Standard for this metal. The source of the contamination is unknown. NJDEP's Environmental Claims Administration installed Point-of-Entry Treatment (POET) systems on the contaminated wells to provide potable water for the residents while additional evaluation of the site is underway. NJDEP's Remedial Response Element plans to sample other nearby wells in 2004 and will use the findings to delineate the Currently Known Extent (CKE) of the potable well contamination and evaluate long-term options to supply potable water to residents at the site.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Receptor Control (POETS)					 Planned
					 Underway
					 Completed
					 Not Required

Pleasant Woods Ground Water Contamination

Tilton Road, Atlantic City Expressway & Garden State Parkway
Egg Harbor Township Atlantic County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Not Applicable
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential/Commercial

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds
Mercury

STATUS

Confirmed

Potable Water

Volatile Organic Compounds
Mercury

Alternate Water Supply Provide/Treating

FUNDING SOURCES

Spill Fund













AMOUNT AUTHORIZED

\$571,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by the Atlantic County Health Department and NJDEP in 1989 identified 64 private potable wells in this area that were contaminated with mercury at levels exceeding the New Jersey Drinking Water Standard for this metal. NJDEP delineated a Ground Water Impact Area (GWIA) that encompassed 128 properties and these properties were connected to the public water supply in 1992. NJDEP's Remedial Response Element conducted additional sampling in 1998 that revealed seven private potable wells located outside the GWIA were contaminated with mercury and/or volatile organic compounds at levels exceeding Drinking Water Standards. However, the contamination in these wells is probably not related to the Pleasant Woods site based on their distance from the GWIA. NJDEP's Environmental Claims Administration installed Point-of-Entry Treatment (POET) systems on these contaminated wells to provide potable water for the residents.

NJDEP completed an unknown source investigation for the Pleasant Woods Ground Water Contamination site in 2000. Due to the widely scattered locations of the contaminated wells inside the GWIA, a discernible plume of mercury contamination could not be delineated and the source of the mercury contamination could not be identified.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Receptor Control (POETS)					 Planned
Receptor Control (Water Line)					 Underway
					 Completed
					 Not Required

Prices Landfill 1

Mill Road

Pleasantville City & Egg Harbor Township

Atlantic County

BLOCK: 36A **LOT:** 3 & 6
190 3

CATEGORY: Superfund
State Lead

TYPE OF FACILITY: Landfill
OPERATION STATUS: Inactive

PROPERTY SIZE: 26 Acres

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

CONTAMINANTS

STATUS

Ground Water

Volatile Organic Compounds
Metals

Treating

Potable Water

Volatile Organic Compounds

Alternate Water Supply Provided

Soil

Volatile Organic Compounds
Petroleum Hydrocarbons

Delineated

FUNDING SOURCES

AMOUNT AUTHORIZED

Superfund

\$6,973,000

Spill Fund

\$589,000

General State Fund

\$1,009,000

Responsible Party Settlement Fund

\$4,101,000

1981 Bond Fund

\$6,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

The site was originally a sand and gravel pit before it was converted into a private landfill in 1969. During the early 1970s, industrial wastes were disposed of at the site. Records indicate that liquid chemical wastes were poured directly into the landfill and buried in 55 gallon drums. It is estimated that nine million gallons of chemical wastes were disposed of at the landfill in this manner. The operator of the landfill stopped accepting chemical wastes in 1972 and ceased operations entirely in 1978.

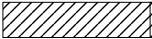
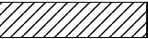

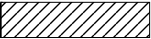










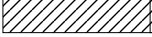




In the early 1980s state and local officials determined that contaminated ground water at the landfill presented a substantial threat to nearby private potable wells and the Atlantic City Well Field, which was located less than a mile away. In 1982 USEPA placed the landfill on the National Priorities List of Superfund sites and NJDEP began a Remedial Investigation and Feasibility Study (RI/FS) to determine the extent of the contamination and evaluate cleanup alternatives. USEPA issued a Record of Decision (ROD) with NJDEP concurrence in 1983 that required relocation of the Atlantic City Well Field and replacement of private potable wells with public water supplies. This work was completed in 1985.

Based on the RI/FS, NJDEP determined that the ground water at Prices Landfill was significantly contaminated with a variety of volatile organic compounds and metals, including benzene, vinyl chloride, cadmium and lead, and that a plume of contaminated ground water was migrating off site. In 1986, after the RI/FS was completed, USEPA issued a second ROD for the site with NJDEP concurrence that required the following actions: 1) installation of a security fence around the landfill; 2) installation of an on-site remediation system to collect and pretreat contaminated ground water and landfill leachate, followed by discharge of the treated effluent to the Atlantic County Wastewater Treatment Facility (ACWTF); 3) installation of a cap over the landfill; and 4) implementation of a long-term ground water monitoring program to evaluate the effectiveness of the remedial actions. Progress on the ground water remediation system was delayed when ACWTF changed its discharge criteria and would no longer accept treated effluent from the landfill, which required NJDEP to modify the Remedial Design to incorporate discharge of the treated effluent to the ground water through infiltration galleries.

NJDEP completed construction of an interim ground water remediation system at the landfill in 2000. The interim system collects contaminated ground water from a recovery well on the eastern side of the site, conveys it to an on-site treatment system that removes the volatile organic compounds, and discharges the treated water into an infiltration gallery located on the landfill. It currently extracts and treats approximately 100,000 gallons of ground water each day. The interim system will be evaluated and modified to optimize its performance. NJDEP began the Remedial Design for the landfill cap and a final ground water remediation system in 2002. The Remedial Design is expected to be completed in 2005.

Prices Landfill 1

(Continued from previous page)

PROJECT NAME	R/FS	DESIGN	CONSTR	O&M	
Interim Water Supply					 Planned
Atlantic City Wellfield					 Underway
Landfill Cap & Ground Water Treatment					 Completed
Expedited Ground Water Cleanup					 Not Required

Somers Point Ground Water Contamination

Dobbs Avenue

Somers Point City

Atlantic County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Not Applicable
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential/Commercial

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Confirmed

Potable Water

Volatile Organic Compounds

Treating

FUNDING SOURCES

Corporate Business Tax

AMOUNT AUTHORIZED

\$100,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Routine monitoring conducted in 2003 revealed a municipal supply well located in Somers Point City was contaminated with methyl tertiary-butyl ether (MTBE) at levels exceeding New Jersey Drinking Water Standard for this volatile organic compound. New Jersey American Water Company installed an air stripper on the well to treat the contamination, but recent sampling has shown increasing levels of MTBE in the water before it is treated. NJDEP's Remedial Response Element is conducting an investigation to delineate the ground water contamination, evaluate future impacts to the public supply well and possible impacts to private potable wells in the area, and identify possible sources of the contamination. NJDEP will sample the ground water and nearby private potable wells in 2004 as part of this investigation.

PROJECT NAME RI/RAS DESIGN CONSTR O&M

Sitewide



- ☐ Planned
- ☒ Underway
- ☐ Completed
- ☐ Not Required

South Jersey Clothing Company

One Central Avenue

Buena Borough

Atlantic County

BLOCK: 144 **LOT:** 3

CATEGORY: Superfund
Federal Lead

TYPE OF FACILITY: Clothing Manufacturing
OPERATION STATUS: Inactive

PROPERTY SIZE: 1.2 Acres

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Treating

Potable Water

Volatile Organic Compounds

Alternate Water Supply Provided

Soil

Volatile Organic Compounds

Remediated

FUNDING SOURCES

Superfund

1986 Bond Fund

Corporate Business Tax

Spill Fund

AMOUNT AUTHORIZED

\$12,324,000

\$575,000

\$675,000

\$40,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

The South Jersey Clothing Company formerly manufactured military clothing in the Minotola section of Buena Borough. While the facility was in operation, waste waters contaminated with solvents were routinely discharged onto the ground and hazardous wastes were stored in leaking drums on the premises. Sampling conducted by NJDEP and the Atlantic County Health Department in 1981 revealed volatile organic contamination in the soil and ground water at the site. The primary contaminant was tetrachloroethylene (also known as perchloroethylene, or PCE). South Jersey Clothing Company implemented several actions to address the contamination between 1981 and 1985, including excavating and disposing of some of the contaminated soil and installing a small-scale ground water treatment system.

South Jersey Clothing Company is located two blocks north of the Garden State Cleaners site and the plumes of contaminated ground water from both sites intermingle. In 1985 Buena Borough installed public water lines to service several nearby properties with private wells that had become contaminated as a result of these sites. The Borough expanded the public water line system in 1988 to service additional residences in the immediate area.

In 1989 USEPA added South Jersey Clothing Company and Garden State Cleaners to the National Priorities List of Superfund sites (NPL). USEPA conducted a joint Remedial Investigation and Feasibility Study (RI/FS) for the two sites and issued a Record of Decision (ROD) with NJDEP concurrence in 1991. The ROD required installation of individual soil vapor extraction systems to treat the contaminated soil at each of the sites and installation of a single ground water remediation system to address the entire ground water plume. USEPA completed construction of the soil vapor extraction system at the South Jersey Clothing Company site and ground water remediation system in 1999. Cleanup of the soil at the South Jersey Clothing Company was completed in 2001. Operation of the ground water remediation system is ongoing.

PROJECT NAME	RI/FS	DESIGN	CONSTR	O&M
Water Line				
Ground Water & Soil Treatment				

Planned

Underway

Completed

Not Required

Wheat Road & Route 40 Ground Water Contamination

Wheat Road & Route 40 Buena Borough & Buena Vista Township

Atlantic County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Not Applicable
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential/Commercial









MEDIA AFFECTED	CONTAMINANTS	STATUS
Ground Water	Volatile Organic Compounds Mercury	Confirmed
Potable Water	Volatile Organic Compounds Mercury	Treating





FUNDING SOURCES	AMOUNT AUTHORIZED
Spill Fund	\$197,000
Corporate Business Tax	\$342,000
1986 Bond Fund	\$15,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by the Atlantic County Health Department in 1997 identified several private potable wells in this area that were contaminated with mercury at levels exceeding the New Jersey Drinking Water Standard for this metal. NJDEP's Remedial Response Element subsequently identified 19 additional wells that were contaminated with volatile organic compounds and/or mercury at levels exceeding Drinking Water Standards; however, three of these wells were too distant from the others to include in the Currently Known Extent (CKE) of the potable well contamination. NJDEP's Environmental Claims Administration installed Point-of-Entry Treatment (POET) systems on the contaminated wells to provide potable water for the residents while additional evaluation of the site was underway.

The Remedial Response Element completed a water supply alternatives analysis for the site in 1999. Based on the findings, NJDEP concluded the most cost-effective method to supply potable water to the residents was to continue to use POET systems at the affected homes, but Buena Vista Township and Buena Borough elected to extend public water lines to the properties in the CKE instead. NJDEP agreed to provide the Township and Borough with funds equal to the cost of monitoring and maintaining the POET systems for 20 years to help pay for the water lines. Construction of the water lines was completed in 2003. The entire project is scheduled to be completed in 2004, once all of the buildings in the CKE have been connected to the water lines and the private wells have been sealed. Additional investigative work is planned to identify possible sources of the ground water contamination at this site.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M
Receptor Control (POETS)				
Receptor Control (Water Line)				

 Planned
 Underway
 Completed
 Not Required

White Horse Pike Ground Water Contamination

White Horse Pike

Mullica Township

Atlantic County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Not Applicable
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds
Mercury

STATUS

Confirmed

Potable Water

Volatile Organic Compounds
Mercury

Treating

FUNDING SOURCES

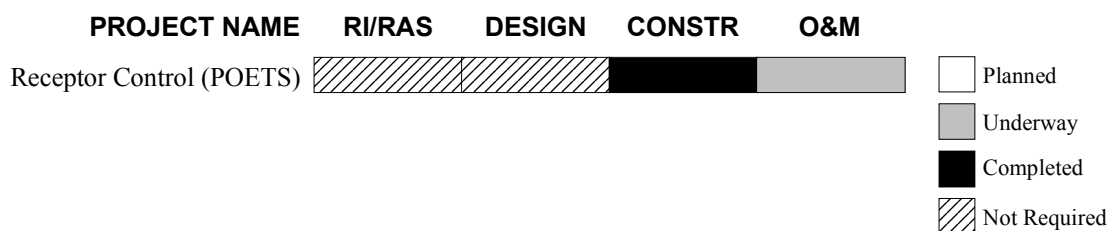
Spill Fund
Corporate Business Tax

AMOUNT AUTHORIZED

\$29,000
\$18,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by the Atlantic County Health Department and NJDEP's Remedial Response Element in 1999 identified six private potable wells in this area that were contaminated with chlorinated volatile organic compounds and/or mercury at levels exceeding New Jersey Drinking Water Standards. The primary volatile organic contaminants were trichloroethylene (TCE) and tetrachloroethylene (also known as perchloroethylene, or PCE). NJDEP's Environmental Claims Administration installed Point-of-Entry Treatment (POET) systems on the contaminated wells to supply potable water to the residents. NJDEP's Responsible Party Remediation Element has issued Notices of Violation to owners of three service station along the White Horse Pike requiring them to close unused or abandoned underground gasoline storage tanks that may be contributing to the ground water contamination. The Remedial Response Element plans to sample additional private wells in the area in 2004 to delineate the potable well contamination. Additional investigative work is planned to identify other possible sources of the ground water contamination at this site.



Zion Road Ground Water Contamination

Zion Road & Schoolhouse Road

Egg Harbor Township

Atlantic County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Not Applicable
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Mercury

STATUS

Confirmed

Potable Water

Mercury

Treating

FUNDING SOURCES

Spill Fund

Corporate Business Tax



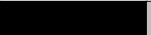





AMOUNT AUTHORIZED

\$42,000

\$12,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by the Atlantic County Health Department and NJDEP's Remedial Response Element between 1998 and 2000 identified seven private potable wells in this neighborhood that were contaminated with mercury at levels exceeding the New Jersey Drinking Water Standard for this metal. The source of the contamination is unknown. NJDEP's Environmental Claims Administration installed Point-of-Entry Treatment (POET) systems on the contaminated wells to provide potable water for the residents while additional evaluation of the site was underway. The Remedial Response Element delineated the Currently Known Extent (CKE) of the potable well contamination and completed water supply alternatives analysis for the site in 2003. Based on the findings, NJDEP concluded the most cost-effective method to supply potable water to the residents was to continue to use POET systems at the affected homes. NJDEP is periodically sampling private wells around the CKE to monitor ground water quality in the area.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Receptor Control (POETS)					 Planned
					 Underway
					 Completed
					 Not Required